



PTO/SB/08A (08-03)

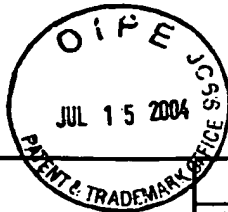
Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/661,467		
		Filing Date	September 12, 2003		
		First Named Inventor	Kyosuke Achiwa		
		Art Unit	2186		
		Examiner Name	Unassigned		
Sheet	1	of	3	Attorney Docket Number	16869P-094600US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
PB	1	US-6,647,474	11-11-2003	Yanai et al	
	2	US-6,625,705	09-23-2003	Yanai et al	
	3	US-2003/167419	09-04-2003	Yanai et al.	
	4	US-6,587,919	07-01-2003	Yanai et al	
	5	US-6,539,462	03-25-2003	Mikkelsen et al.	
	6	US-6,502,205	12-31-2002	Yanai et al	
	7	US-6,418,509	07-09-2002	Yanai et al	
	8	US-6,247,046	06-12-2001	Yanai et al	
	9	US-6,230,239	05-08-2001	Sakaki et al.	
	10	US-6,185,653	02-06-2001	Yanai et al	
	11	US-6,173,377	01-09-2001	Yanai et al	
	12	US-6,003,114	12-14-1999	Bachmat.	
	13	US-5,996,045	11-30-1999	Lee et al.	
	14	US-5,978,890	11-02-1999	Ozawa et al.	
	15	US-5,960,216	09-29-1999	Vishlitzky et al	
	16	US-5,940,865	08-17-1999	Ohzora et al.	
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	20	US-5,835,954	11-10-1998	Duyanovich et al.	
	21	US-5,818,020	10-06-1998	Beeler	
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	24	US-5,740,465	04-14-1998	Matsunami et al.	
	25	US-5,692,155	11-25-1997	Iskiyan et al.	
	26	US-5,680,640	10-21-1997	Ofek et al.	
	27	US-5,664,144	09-02-1997	Yanai et al	
	28	US-5,644,787	07-01-1997	Nakamura et al.	
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	30	US-5,613,155	03-18-1997	Baldiga et al.	
	31	US-5,588,012	12-24-1996	Oizumi.	
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	34	US-5,544,347	08-06-1996	Yanai et al	
	35	US-5,379,398	01-03-1995	Cohn et al.	
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	37	US-5,235,690	08-10-1993	Beardsley et al.	
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	40	US-4,451,884	05-29-1984	Heath et al.	
	41	US-3,990,055	11-02-1976	Henderson et al.	

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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, T ³

Examiner Signature		Date Considered	3/17/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	2	of	3	Attorney Docket Number	16869P-094600US
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Complete if Known

Application Number	10/661,467
Filing Date	September 12, 2003
First Named Inventor	Kyosuke Achiwa
Art Unit	2186
Examiner Name	Unassigned

		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
PB	42	JP	2000-305856		11-02-2000	Hitachi Ltd.	<input checked="" type="checkbox"/>
	43	JP	11-338647		12-10-1999	Hitachi Ltd.	<input checked="" type="checkbox"/>
	44	JP	09-325863		12-16-1997	Hitachi Ltd.	<input checked="" type="checkbox"/>
	45	JP	07-201132		08-04-1995	Mitsubishi Electric Corp	<input checked="" type="checkbox"/>
	46	JP	07-191811		07-28-1995	Hitachi Ltd	<input checked="" type="checkbox"/>
	47	JP	06-250795		09-09-1994	Hitachi Ltd	<input checked="" type="checkbox"/>
	48	JP	06-067811		03-11-1994	Fuji Xerox Co. Ltd	<input checked="" type="checkbox"/>
	49	JP	03-204023		09-05-1991	Fujitsu Ltd.	abstract only
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RB	52	JP	58-219656		12-12-1983	Hitachi Ltd.	abstract only
	53	JP	58-151660		09-08-1983	Hitachi Ltd.	abstract only

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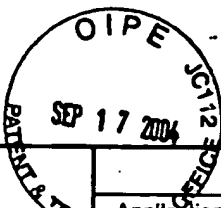
Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/661,467		
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		First Named Inventor	Kyosuke Achiwa		
		Art Unit	2186		
		Examiner Name	Unassigned		
Sheet	3	of	3	Attorney Docket Number	16869P-094600US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	54	ROSENBLUM "The Design and Implementation of a Log-Structured File System," ACM Transactions on Computer Systems 10:26-52 (1992).	
	55	"Symmetrix Data Migration Services (SDMS)" EMC ² Symmetrix ICDA Family Product Information (2000).	

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	1	PCT	WO 01/04754	A2	01-18-2001	Hitachi Data Systems		<input type="checkbox"/>
	2	PCT	WO 98/20419	A1	05-14-1998	Vinca Inc.		<input type="checkbox"/>

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